

ABSTRACT OF THE DISCLOSURE

An electrode-built-in susceptor is formed by a susceptor base body which is made of an aluminium-nitride-group-sintered-member on one of which surface a plate sample is mounted, an inner electrode which is built in the susceptor member, a power supplying terminal which is disposed in the susceptor base body so as to be attached to the inner electrode, and an insulating layer which is formed mainly by one of a boron nitride, a lithium oxide, an aluminium oxide, or a magnesium oxide is formed between the inner electrode and the mounting surface.

By doing this, it is possible to provide an electrode-built-in susceptor which has a superior durability under a high temperature oxidizing atmosphere condition without a concern in that a thermal efficiency decreases and a plate sample is contaminated.